



September 17, 1990

New Jersey Department of Environmental Protection  
Mr. John Maselli  
Division of Water Resources  
Bureau of Construction and Connection Permits  
401 E. State Street, 4th Floor, West Wing  
Trenton, NJ 08625

Re: Application for Treatment Works Approval Permit

Dear Mr. Maselli:

Please find enclosed forms CP-1 and WQM-006, a Professional Engineer Certification form, an Engineer's Report, associated plans and an application fee of \$2,124.61, which are submitted in application for Treatment Works Approval (TWA) Permit. This permit is requested for the former Hexcel facility in Lodi, New Jersey, currently owned and operated by Fine Organics Corporation, in response to the requirements of ECRA Case No. 86009. The endorsement section of this application, form WQM-003, was sent to the appropriate local agencies for approval signatures on August 22 and August 23, 1990, and will be submitted to you as part of this application upon receipt of the completed form.

The proposed treatment system will be used to remove volatile organic chemicals from groundwater which will be extracted from the upper and lower aquifers beneath the facility. Approval for discharge of the treated groundwater into the Passaic Valley Sewerage Commissioners' industrial sewer was obtained on January 8, 1990.

Joseph Ritchey of Heritage Remediation/Engineering, Inc. (Heritage) is the Professional Engineer who is responsible for the design and construction of the treatment system. Mr. Ritchey is licensed in the state of Michigan and is currently in the process of obtaining a New Jersey certification through state reciprocity. We will inform you of his New Jersey license number immediately after it has been obtained.

Mr. John Maselli  
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An operation and maintenance manual has not been included as part of this application, as it has not yet been developed by Heritage. The manual will be submitted as soon as it is available.

The BEECRA department of the NJDEP has indicated that a limited amount of time will be allowed for implementation of remediation activities at the facility, and in order that we may comply with their schedule, we request your expedience in reviewing this permit application. Please do not hesitate to call if you have any questions concerning this application.

Sincerely yours,



A. William Nosil  
Corporate Environmental Engineering Manager

AWN\lr

Enclosures

cc: Gary Sanderson-NJDEP  
Jim Higdon-Fine Organics Corporation  
Frank D'Ascensio, PVSC

885410002

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES

ENGINEER'S REPORT FOR SEWER SYSTEMS

Class of Construction - Check all applicable blocks

Report Prepared Date August 28, 1990

☐ New System

Application Dated August 28, 1990

☐ Replacement of Existing System

☐ Extension(s) to Existing System

☒ New Discharge to Existing System

**FOR DEPARTMENT USE ONLY**

Project No. \_\_\_\_\_

Major Drainage Basin \_\_\_\_\_

Stream Classification \_\_\_\_\_

Report Rec'd Date: \_\_\_\_\_

Construction & Operation \_\_\_\_\_

Application Rec'd Dated \_\_\_\_\_

Application Signed By Joseph D. Ritchey

Position Engineering Manager

Joseph D. Ritchey

P. E. Consultant Engineer

Authorization to Sign Application 

Municipality Lodi

Municipal Approval Date \_\_\_\_\_  
(Attach Approval)

Name \_\_\_\_\_

Title \_\_\_\_\_

Sewerage Authority Approval Date \_\_\_\_\_  
(Attach Approval)

Name \_\_\_\_\_

Title \_\_\_\_\_

County Bergen

Owners & Operators Hexcel Corporation; Fine Organics Corporation

Engineering Firm Heritage Remediation/ Engineering Inc.

Address 5656 Opportunity Drive, Toledo, Ohio 43612

Estimated Cost \$ 256,860 Contributory Flow Groundwater Treatment System

Nature of Waste: Domestic Not Applicable Industrial Treated Ground Water

Receiving Waters of Treated Waste PVSC Sewer

Specifications, signed & sealed by the engineer.

a) Dated August 29 19 90 ; 2 copies

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TABLE II - GENERAL DESIGN

PIPE DIAMETER (in.)	MINIMUM SLOPE (%)	MAXIMUM SLOPE (%)	MAXIMUM VELOCITY (FPS)	MAXIMUM FLOW (MGD)	MAXIMUM DISTANCE BETWEEN MANHOLES (ft.)		"N" VALUE	TYPE OF SEWER MATERIAL USED
					Sewer 12" or less	Sewer 18" or more		
( THIS SECTION NOT APPLICABLE. )								

Total Length of Proposed Sewers Not Applicable - No Proposed Sewers

RECEIVING SEWAGE TREATMENT PLANT

a) Owner of Plant Passaic Valley Sewerage Commissioners

b) Name of Plant \_\_\_\_\_

c) NPDES/NJPDES Permit Number \_\_\_\_\_

IF ANY REPLY IS NEGATIVE OR EXPLANATION IS NEEDED, PLEASE ATTACH SEPARATE SHEET/OR SHEETS WITH THE QUESTION NUMBER AND REPLY.

- | ( THIS SECTION NOT APPLICABLE - No new proposed sewers. )  | YES                      | NO                       | N/A                      |
|--|--------------------------|--------------------------|--------------------------|
| 1. Are the proposed sewers designed as separate Sanitary Sewers?   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Specify the type of leakage test (infiltration and/or exfiltration) and the limit to be used, preferably in terms of gallons per inch of pipe diameter per miles per day.       |                          |                          |                          |
| 3. Are manholes provided at all changes in size, grade, alignment, and sewer intersections?  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Are drop manholes provided where the entrance sewer invert is 24 inches or more above manhole invert?   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. Are manholes spaced in compliance with maximum distances of 400' for 18" or less; 500' for greater than 18"?  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6. Are watertight covers used where manholes are subject to flooding by street runoff of high water?   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7. Are there adequate provisions for ventilation at the manholes if required?  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 8. Are the sewers of the minimum size of 8 inches?   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 9. Are sewers crossing streams or located within ten feet of a stream embankment constructed of steel, reinforced concrete, ductile iron. If other material please specify.        | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 10. Are sewers within 100 feet of a public water supply well or a below-grade reservoir constructed of steel, reinforced concrete, ductile iron. If other material please specify. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 11. Does the slope of the sewers produce velocities in excess of 10 ft/sec?  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 12. Are the sewers designed to carry at least twice the estimated average design flow when flowing half full?  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 13. Are curved sewers part of this project? Do they comply with the Rules and Regulations of the Department?   |                          |                          |                          |

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- |   | <u>YES</u>               | <u>NO</u>                |
|---|--------------------------|--------------------------|
| 4. Is adequate light and ventilation provided? (Where operational and maintenance duties are required in enclosed areas or pits, force ventilation by suitable means shall be provided and with sufficient capacity to induce twelve air changes per hour. If not continuous 30 changes/hour. Explosion-proof equipment shall be utilized.) | =                        | =                        |
| 5. Are adequate fresh-water facilities provided to permit routine washdown and cleaning operations at the pump station?   | =                        | =                        |
| 6. If domestic water service connection is utilized is it protected by an approved backflow prevention device?  | <input type="checkbox"/> | <input type="checkbox"/> |
| 7. Are a minimum of two pumps provided.   | <input type="checkbox"/> | <input type="checkbox"/> |
| 8. Are shut off valves provided on both suction and discharge piping and a check valve on the discharge piping?   | <input type="checkbox"/> | <input type="checkbox"/> |
| 9. Is auxiliary power provided for electrically driven pumps?   | <input type="checkbox"/> | <input type="checkbox"/> |

I hereby certify that the Engineering Plans, Specifications and Engineer's Report applicable to this project comply with the State Department of Environmental Protection Rules and Regulations for the Preparation and Submission of Plans for Sewer Systems and Wastewater Treatment Plants, N.J.A.C.7:9.1 et seq., other than the exceptions as noted.



P.E.

Signature of Engineer

Joseph D. Ritchey, August 28, 1990

Name &amp; Date Typed

Engineering Manager, Heritage Remediation/

Position, Name of Firm Engineering Inc.

Professional Engineer's Embossed Seal

Review and approval of this project is based solely upon the information contained in the CP#1 application and the representations contained within this report as certified by the Licensed Professional Engineer as being in compliance with the Department's Rules and Regulations.

## FOR DEPARTMENT USE ONLY

Project NOT recommended for issuance of an approval to ☐ CONSTRUCT and/or ☐ OPERATE

Project recommended for issuance of an approval to ☐ CONSTRUCT and/or ☐ OPERATE

Subject to the conditions common to all projects.

SPECIAL PROVISOS (If required, list below)

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Typed Name

State Review Engineer

Written Signature

885410005



**State of New Jersey**  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
**STANDARD APPLICATION FORM (CP #1)**  
**CONSTRUCTION PERMIT NUMBER 1**  
**CONSTRUCTION AND DISCHARGE PERMITS**

READ REQUIREMENTS — FOLLOW INSTRUCTIONS CAREFULLY — PLEASE PRINT OR TYPE

1a. Applicant/Owner\*\* Hexcel Corporation Telephone ( 415 ) 828-4200  
 Permanent Legal Address 11711 Dublin Road  
 City or Town Dublin State California Zip Code 94566  
 Federal Tax I.D. or S.S. # \_\_\_\_\_

1b. Applicant/Operator \_\_\_\_\_ Telephone ( ) \_\_\_\_\_  
 Permanent Legal Address \_\_\_\_\_  
 City or Town \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

1c. Co-permittee\* \_\_\_\_\_ Telephone ( ) \_\_\_\_\_  
 Permanent Legal Address \_\_\_\_\_  
 City or Town \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

2. Location of Work Site Lodi, New Jersey  
 Name of Facility, if applicable Fine Organics Corporation  
 Address (Street/Road) 205 Main Street  
 Lot No. 20A Block No. 81A E.P.A. I.D. # NJD01096324  
 City or Town Lodi State New Jersey Zip Code 07644  
 Municipality Lodi County Bergen

3. If applicable, give name of: Engineer/Surveyor/Well Driller/Geologist/Soil Scientist (Specify)  
 Name Joseph D. Ritchey N.J. License No. 33530 (MI)  
 Name of Firm, if employee Heritage Remediation/ Engineering Inc.  
 Address (Street/Road) 5656 Opportunity Drive  
 City or Town Toledo State Ohio Zip Code 43612  
 Municipality Toledo County Lucas  
 Telephone (419) 478-4396

4. This is an application for Treatment Works Approval Permit  
 (Name of permit, certification, approval, jurisdictional determination, or exemption. See Item 9, next page.)

- \* This section must be completed by any local governmental unit when it is a Co-permittee. (Not required for Treatment Works Approvals.)
- \*\* Sewer System Applications (Treatment Works Approvals) should be made on behalf of the eventual owner of the proposed system.

DETACH FORM FROM PRECEDING DOCUMENT

<u>PERMIT TYPE</u>	<i>(Use additional sheets if necessary)</i>	<b>APPLICATION STATUS</b> (Pending - Approved)	<u>PROJECT #</u>
9.17 Temporary Water Lowering.....			
Discharge to PVSC			Permit #
9.18 Construct/Modify, Operate Public Potable Water Works.....	Approved		17405042
9.19 Connection between an approved water supply and non-approved supply.....			
9.20 Sewer Systems: Collectors, Pump Station, etc.....			
9.21 Exemption from Sewer Ban.....			
Discharge to Ground Water			
9.22 New Jersey Pollution Discharge Elimination System (Specify).....	Pending		ECRA 86009
9.23 Solid Waste Permits (Specify).....			
9.24 Air Quality Permits (Specify).....	Air Clean Up Apparatus	Pending	ECRA 86009
9.25 Delaware and Raritan Canal Review Zone "Certificate of Approval".....			
9.26 Pinelands Certificate.....			
9.27 Green Acres Program Review "Certificate of Approval" (Specify projects)			
9.28 Other State agencies' permits.....			
9.29 Local Permits.....			
9.30 Federal Permits.....			

10. Brief Description of the Proposed Project and Intended Use:

Ground water will be extracted from upper and lower aquifers below the facility. Ground water will be treated onsite for removal of volatile organic compounds. The ground water treatment system will consist of an air stripper, a filtration unit, and a granular activated carbon adsorption unit. The air emissions from the stripper will be incinerated.

Treated ground water will be discharged to the PVSC sewer system. There will be no discharges to surface water or ground water.

**B. APPLICANT'S AGENT NOT APPLICABLE**

I, the Applicant/Owner \_\_\_\_\_ or Applicant/Operator (when the owner of the facility and the operator of the facility are distinct parties) \_\_\_\_\_

or Co-permittee (when the Co-permittee is a local governmental unit) \_\_\_\_\_

authorize to act as my agent/representative in all matters pertaining to my application the following person:

Name \_\_\_\_\_ Phone \_\_\_\_\_

Address \_\_\_\_\_ County \_\_\_\_\_

City or Town \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Occupation/Profession \_\_\_\_\_

\_\_\_\_\_  
(Signature of Applicant/Owner)

\_\_\_\_\_  
(Signature of Applicant/Operator)

\_\_\_\_\_  
(Signature of Co-permittee)\*

**AGENTS CERTIFICATION**

Sworn before me  
this \_\_\_\_\_ day of  
\_\_\_\_\_ 19 \_\_\_\_\_

I agree to serve as agent for the above-mentioned applicant

\_\_\_\_\_  
Notary Public

\_\_\_\_\_  
(Signature of Agent)

**C. PROPER CONSTRUCTION AND OPERATION CLAUSE**

(Sewer Extensions, Treatment Works Approval, Water Works)

I, the Applicant/Owner A. William Nosil or Applicant/Operator (when the owner of the facility and the operator of the facility are distinct parties) \_\_\_\_\_

or Co-permittee (when the Co-permittee is a local governmental unit) \_\_\_\_\_

agree that the works will be properly constructed and operated in accordance with the engineering plans and specifications, as approved, and the conditions under which approval is granted by the State Department of Environmental Protection.

  
(Signature of Applicant/Owner)

\_\_\_\_\_  
(Signature of Applicant/Operator)

\_\_\_\_\_  
(Signature of Co-permittee)\*

\* Not required for Sewer System Application (Treatment Works Approvals)



F. PARTY RESPONSIBLE FOR THE CONSTRUCTION OF THE PROPOSED FACILITY  
(Sewer Extensions, Treatment Works Approvals)

Name of Developer Heritage Temediation/ Engineering Inc.  
Phone (419) 478-4396  
Address 5656 Opportunity Drive County Lucas  
City Toledo State Ohio Zip Code 43612  
Contact Person Joseph D. Ritchey

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES  
WASTEWATER FACILITIES MANAGEMENT ELEMENT  
BUREAU OF INDUSTRIAL DISCHARGE PERMITS  
CN-029 TRENTON, NJ 08625

PROFESSIONAL ENGINEER CERTIFICATION FORM

Date August 28, 1990

TWA No. \_\_\_\_\_

Owner/Operator (Company) Hexcel Corporation

Facility Name (Operating Division, etc.) Fine Organics Corporation

Municipality Lodi

County Bergen

Fill in and check appropriate spaces below:

I am in the process of submitting an application to be  
I am a New Jersey Licensed Professional Engineer (P.E.) retained  
to certify to the design adequacy of the industrial wastewater  
system designated above to comply with (check as applicable):

☐ NJPDES Permit Number \_\_\_\_\_; and/or  
☒ NJPDES/SIU Permit-by-Rule (N.J.A.C. 7:14A-13.5).

I hereby certify to the following checked item(s):

- ☒ 1. That the facilities described by the application and plans  
titled Ground-Water Treatment System  
and dated August 29, 1990 ~~are~~ (will be)  
adequate to meet all applicable conditions of Local, State,  
and Federal Statutes and Regulations, and of each Permit or  
Permit-by-rule indicated above.
- ☒ 2. That the facility ~~has been~~ will be:
- a. ☒ Constructed under my supervision  
b. ☒ Inspected under my supervision  
c. ☒ Tested under my supervision
- ☐ 3. That, if any checked item has been performed in whole or in  
part by any other engineer(s) his/her/their certification(s)  
is (are) attached.
- ☒ 4. That the facilities, if built, are constructed in accordance  
with the application and plans stated above either without  
exception or with only those minor modifications which are  
addressed in the revised plans, change orders, and reasons for  
change attached hereto.
- ☐ 5. That the additional comments indicated below are correct:

Professional Engineer's  
Embossed Seal

Joseph D. Ritchey  
Typed Name of P.E.

Joseph D. Ritchey  
Written Signature of P.E.

885410010

**ENGINEER'S REPORT  
FOR TREATMENT WORKS APPROVAL (TWA)  
PERMIT APPLICATION**

885410011

# ENGINEER'S ABSTRACT

Date

Application No. \_\_\_\_\_

NPDES No. \_\_\_\_\_

Applicant Name HEXCEL CORPORATION

Fine Organics Corporation  
Former: Hexcel Corporation  
205 Main St.  
Lodi, N.J. 07644

Owners and Operators .....  
Address .....

Location of Project .....  
Description of Project .....

Block 81-A-161-A Lot 10-A:1A, 2  
Ground Water Collection & Treat

Lodi Borough

Municipality .....

Municipal Approval .....

Bergen County  
Heritage Remediation/Engineerin  
5656 Opportunity Dr.  
Toledo, Ohio 43612

County .....

Engineering Firm .....

Address .....

Estimated Cost .....

\$256,860

Watershed .....

Saddle River

Contributory Flow .....

7,200 gpd

Nature of Waste .....

volatile & non-volatile organ

Disposal of Raw Waste .....

none

Disposal of Sludge (site) .....

not selected

Plant

(a) Classification \_\_\_\_\_

(b) Design Capacity 7,200 gpd

(c) Present Flow none

Receiving Water of Treated Waste .....

PVSC Sewer System

Classification of Receiving Waters .....

POTW

885410012